

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042123\
 Data File : BM039571.D
 Acq On : 22 Apr 2023 03:06
 Operator : CG/JU
 Sample : 02426-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-3-041923

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/24/2023
 Supervised By : Jagrut Upadhyay 04/24/2023

Quant Time: Apr 22 04:59:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 21 12:46:01 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	190739	20.000	ng	0.00
21) Naphthalene-d8	10.637	136	736566	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	421839	20.000	ng	0.00
64) Phenanthrene-d10	17.242	188	857723	20.000	ng	0.01
76) Chrysene-d12	21.430	240	707860	20.000	ng	0.00
86) Perylene-d12	23.806	264	790969	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	502150	43.013	ng	0.01
7) Phenol-d6	7.019	99	622513	36.283	ng	0.01
23) Nitrobenzene-d5	8.995	82	364097	24.207	ng	0.00
42) 2,4,6-Tribromophenol	15.983	330	207661	37.936	ng	0.00
45) 2-Fluorobiphenyl	13.101	172	844388	27.696	ng	0.00
79) Terphenyl-d14	19.865	244	1217353	31.025	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.283	178	614597	13.214	ng	100
72) Anthracene	17.371	178	169542	3.554	ng	98
75) Fluoranthene	19.301	202	919920	16.302	ng	99
78) Pyrene	19.665	202	798130	15.332	ng	99
81) Benzo(a)anthracene	21.418	228	382385	7.607	ng	97
83) Chrysene	21.465	228	355845m	7.303	ng	
87) Indeno(1,2,3-cd)pyrene	26.265	276	186597	3.210	ng	95
88) Benzo(b)fluoranthene	23.083	252	399851	8.291	ng	# 83
89) Benzo(k)fluoranthene	23.130	252	160846m	3.190	ng	
90) Benzo(a)pyrene	23.700	252	312392	6.518	ng	# 83
92) Benzo(g,h,i)perylene	27.024	276	190393	3.976	ng	# 89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

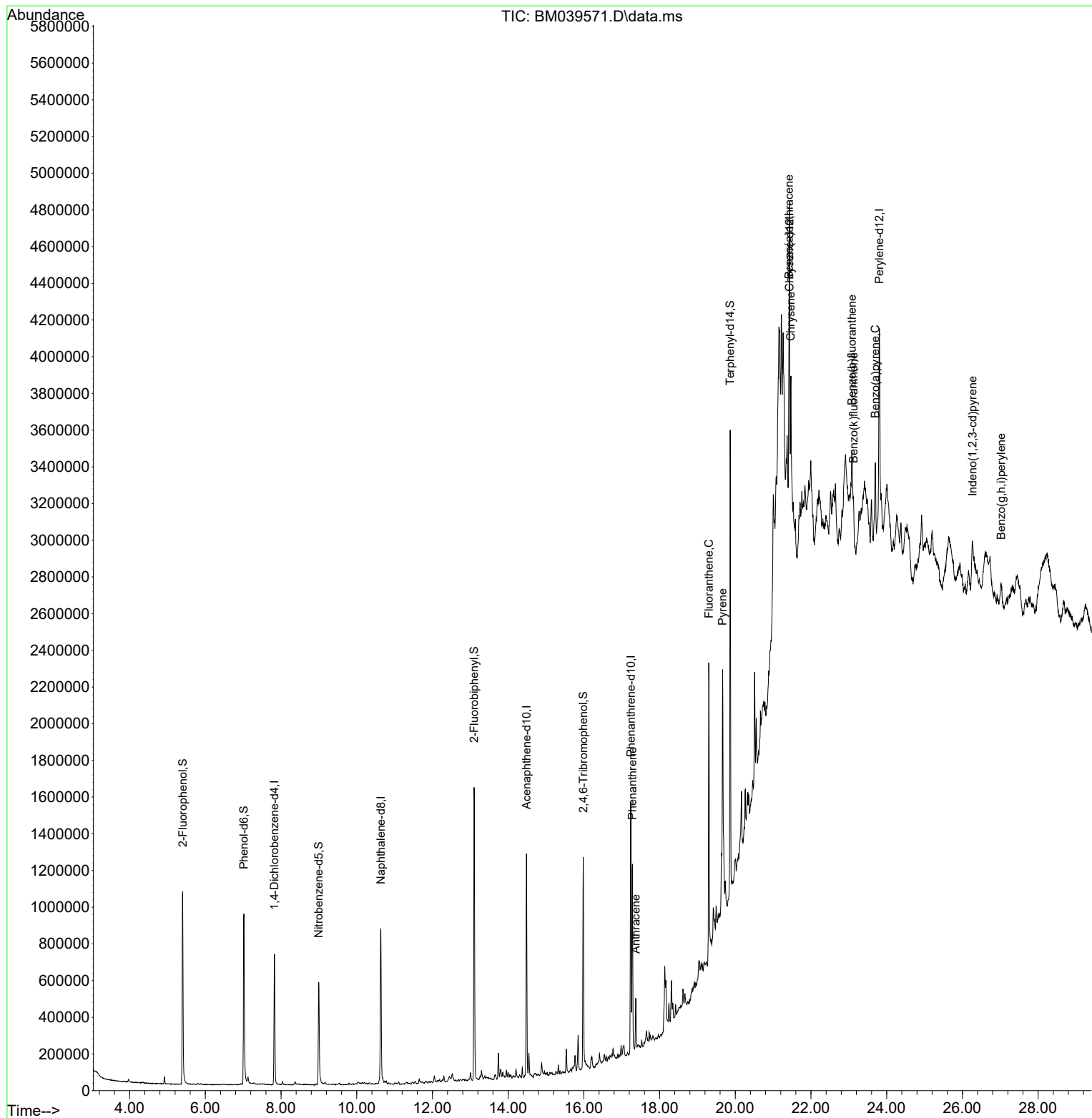
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042123\
Data File : BM039571.D
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ALS Vial : 19 Sample Multiplier: 1

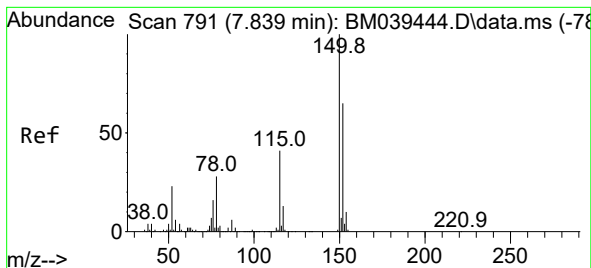
Instrument :
BNA_M
ClientSampleId :
EO-3-041923

Quant Time: Apr 22 04:59:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 21 12:46:01 2023
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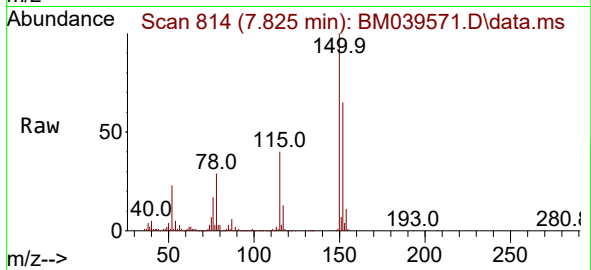
Reviewed By : Christian Giraldo 04/24/2023
Supervised By : Jagrut Upadhyay 04/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.825 min Scan# 81
Delta R.T. 0.006 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

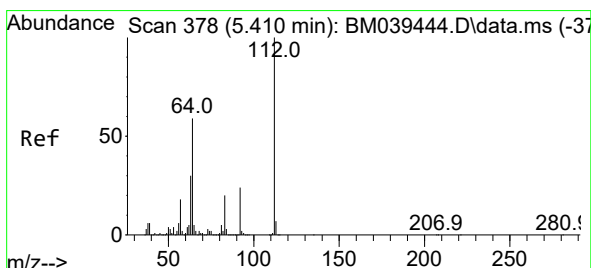
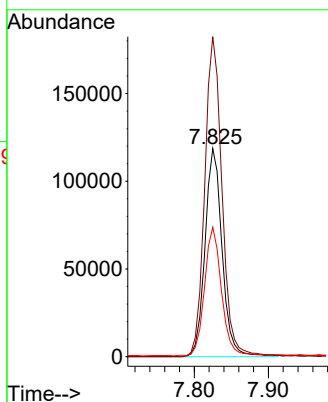
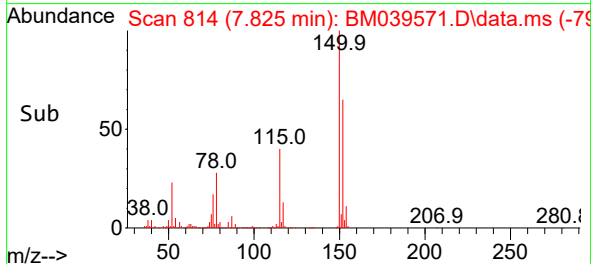
Instrument :
BNA_M
ClientSampleId :
EO-3-041923



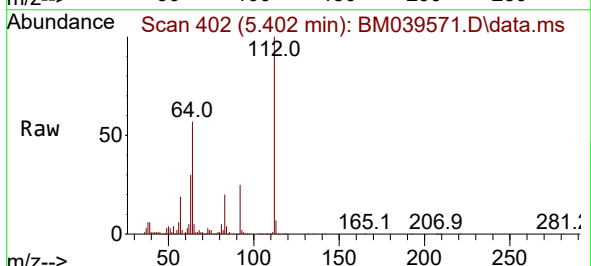
Tgt Ion:152 Resp: 190739
Ion Ratio Lower Upper
152 100
150 153.7 123.0 184.4
115 62.2 49.9 74.9

Manual Integrations
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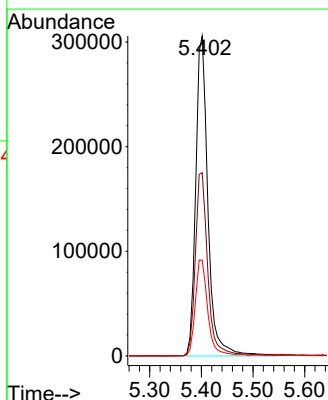
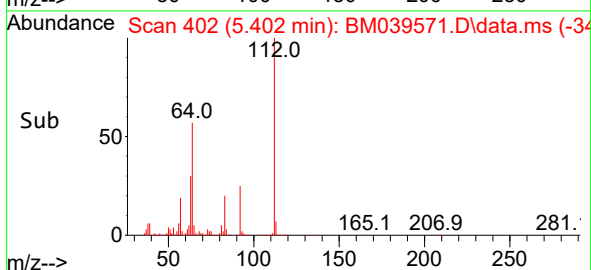
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023

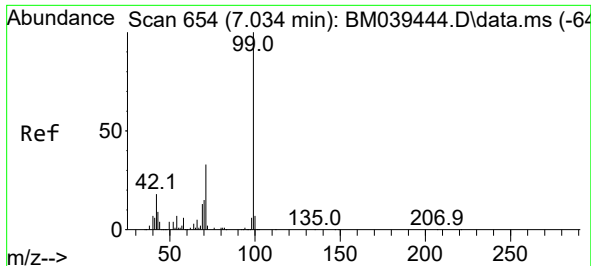


#5
2-Fluorophenol
Concen: 43.013 ng
RT: 5.402 min Scan# 402
Delta R.T. 0.012 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06



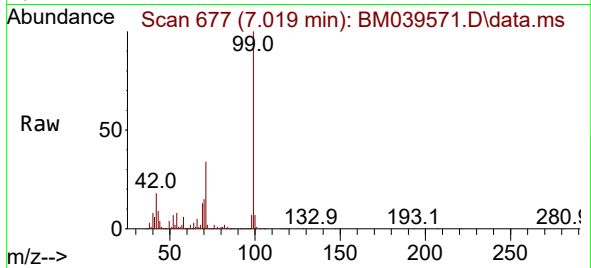
Tgt Ion:112 Resp: 502150
Ion Ratio Lower Upper
112 100
64 57.3 47.0 70.4
63 30.0 24.2 36.4





#7
Phenol-d6
Concen: 36.283 ng
RT: 7.019 min Scan# 61
Delta R.T. 0.012 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

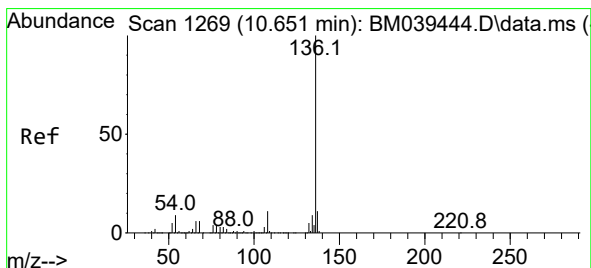
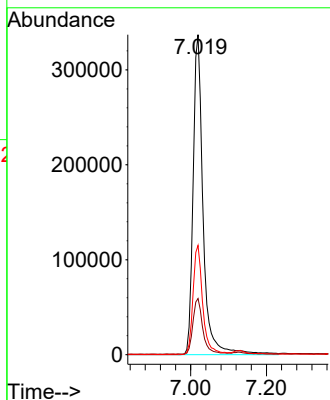
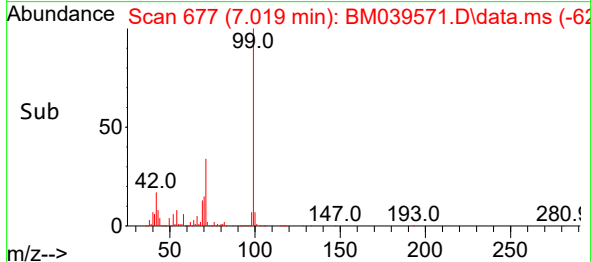
Instrument :
BNA_M
ClientSampleId :
EO-3-041923



Tgt Ion: 99 Resp: 62251
Ion Ratio Lower Upper
99 100
42 17.6 14.2 21.4
71 34.2 26.8 40.2

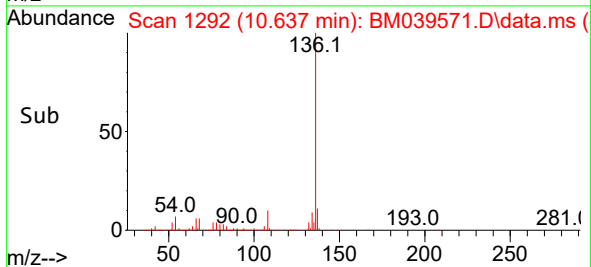
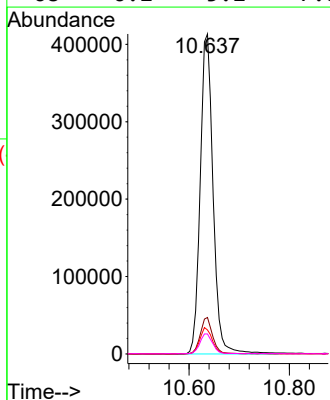
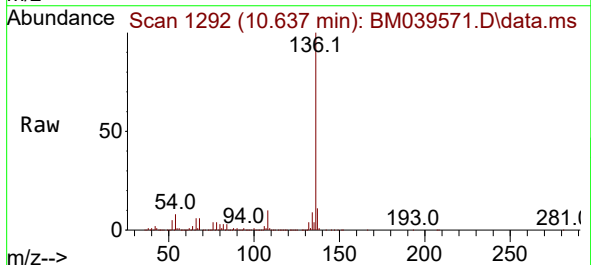
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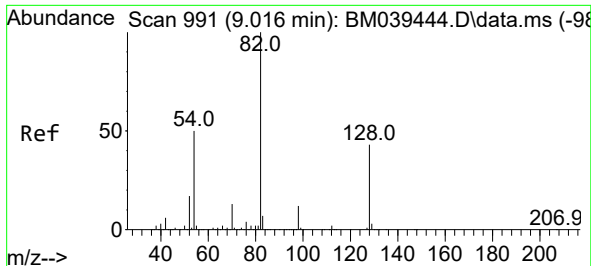
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.637 min Scan# 1292
Delta R.T. 0.006 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

Tgt Ion:136 Resp: 736566
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 7.5 6.9 10.3
68 6.2 5.2 7.8





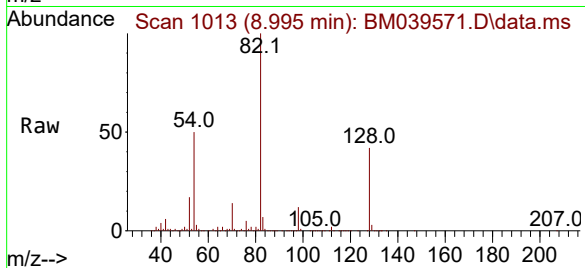
#23
Nitrobenzene-d5
Concen: 24.207 ng
RT: 8.995 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

Instrument :

BNA_M

ClientSampleId :

EO-3-041923

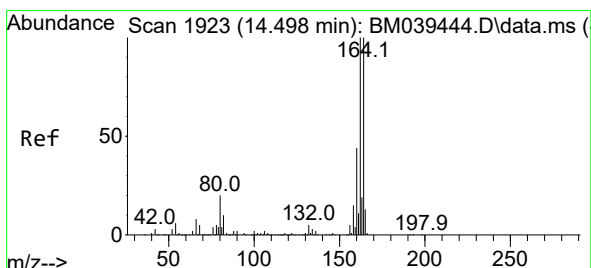
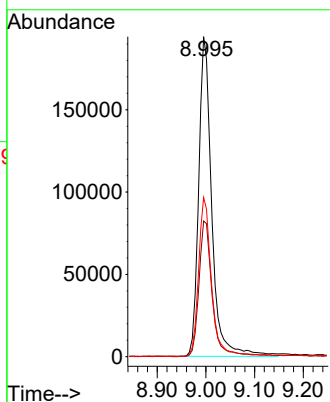
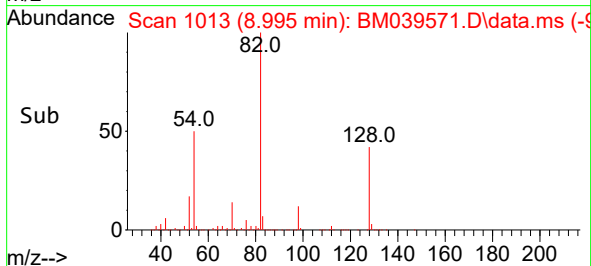


Tgt Ion: 82 Resp: 36409
Ion Ratio Lower Upper
82 100
128 42.4 34.2 51.2
54 49.8 39.7 59.5

Manual Integrations

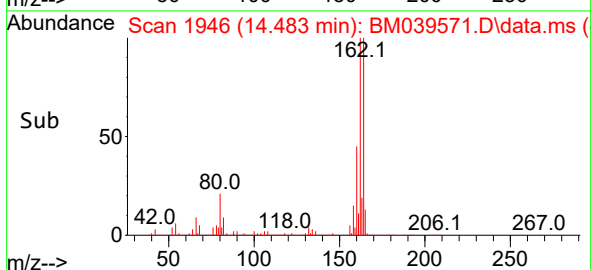
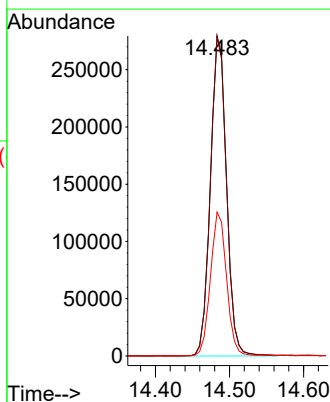
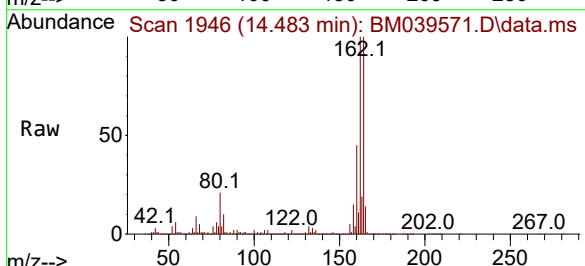
APPROVED

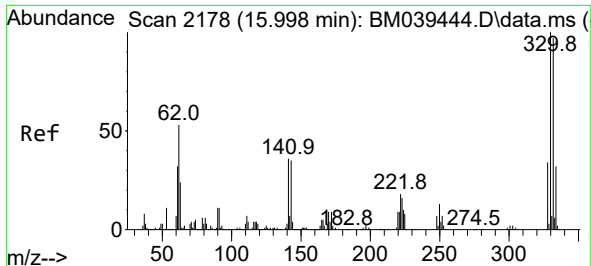
Reviewed By :Christian Giraldo 04/24/2023
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1946
Delta R.T. 0.006 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

Tgt Ion:164 Resp: 421839
Ion Ratio Lower Upper
164 100
162 99.8 79.8 119.8
160 44.9 35.0 52.4





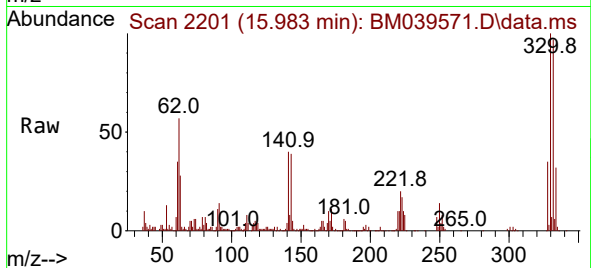
#42
2,4,6-Tribromophenol
Concen: 37.936 ng
RT: 15.983 min Scan# 2178
Delta R.T. 0.006 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

Instrument :

BNA_M

ClientSampleId :

EO-3-041923

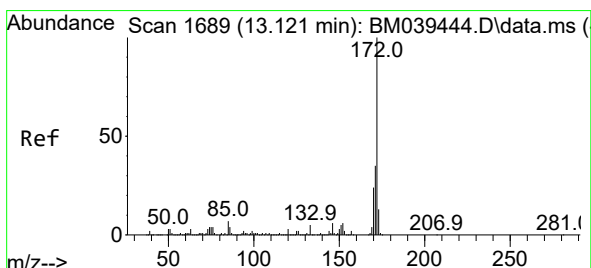
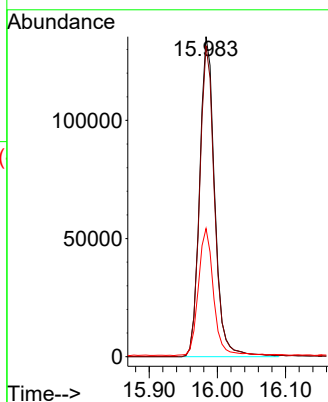
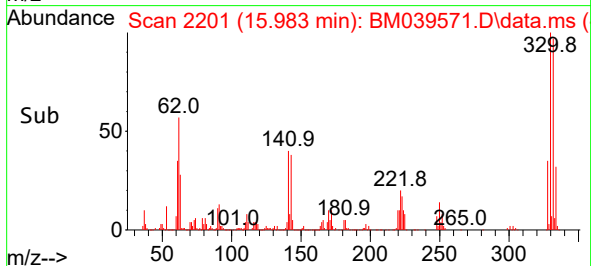


Tgt Ion:330 Resp: 20766
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.2
141 39.9 31.0 46.6

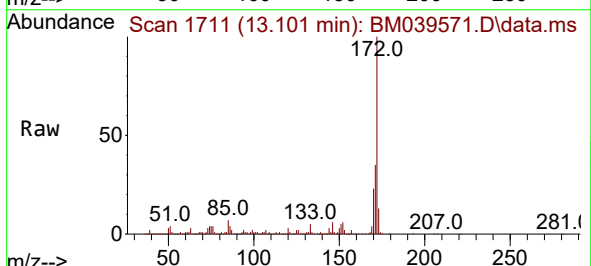
Manual Integrations

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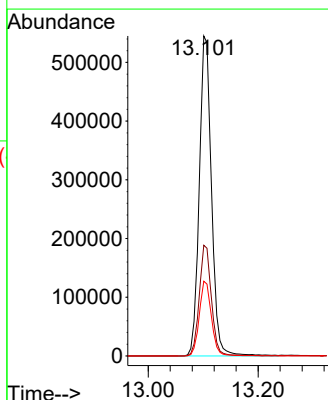
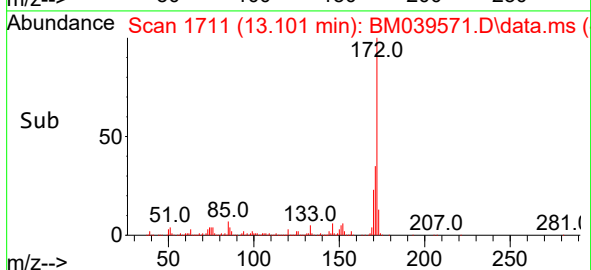
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023

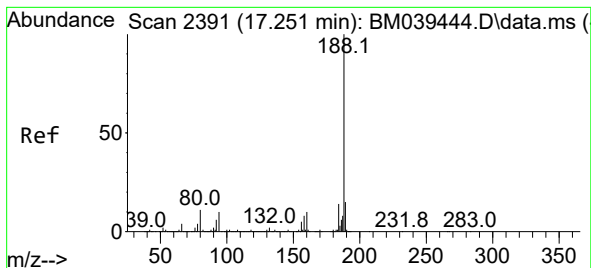


#45
2-Fluorobiphenyl
Concen: 27.696 ng
RT: 13.101 min Scan# 1711
Delta R.T. 0.000 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06



Tgt Ion:172 Resp: 844388
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.8
170 23.3 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.242 min Scan# 2415

Delta R.T. 0.012 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

Instrument :

BNA_M

ClientSampleId :

EO-3-041923

Tgt Ion:188 Resp: 85772

Ion Ratio Lower Upper

188 100

94 9.1 7.9 11.9

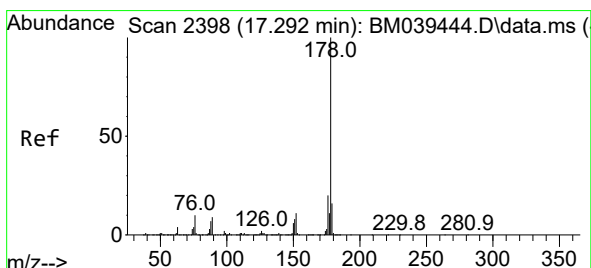
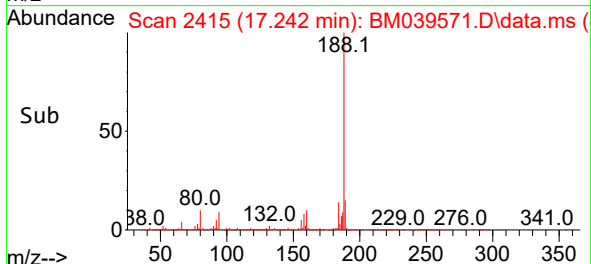
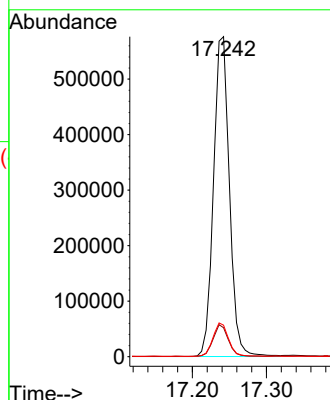
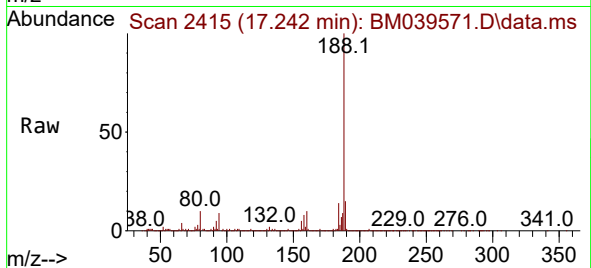
80 9.9 8.9 13.3

Manual Integrations

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#71

Phenanthrene

Concen: 13.214 ng

RT: 17.283 min Scan# 2422

Delta R.T. 0.006 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

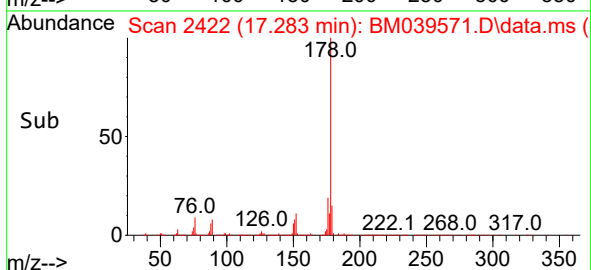
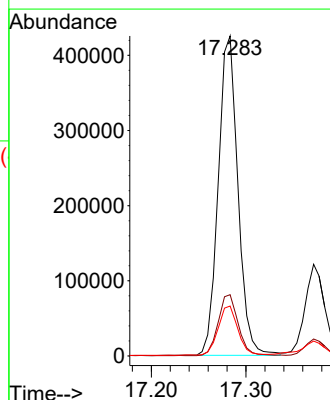
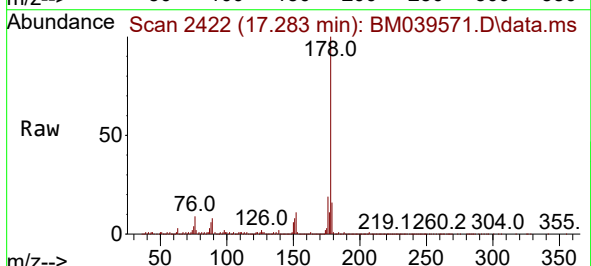
Tgt Ion:178 Resp: 614597

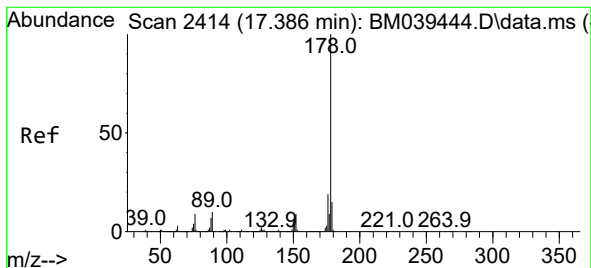
Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

179 15.6 12.5 18.7





#72

Anthracene

Concen: 3.554 ng

RT: 17.371 min Scan# 2414

Delta R.T. 0.006 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

Instrument :

BNA_M

ClientSampleId :

EO-3-041923

Tgt Ion:178 Resp: 16954

Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

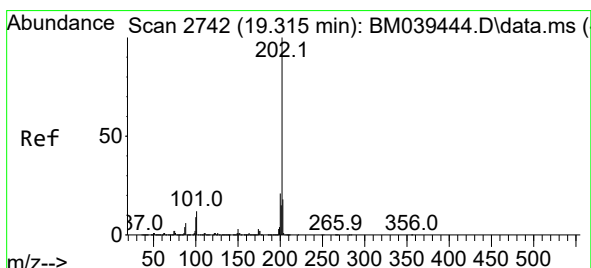
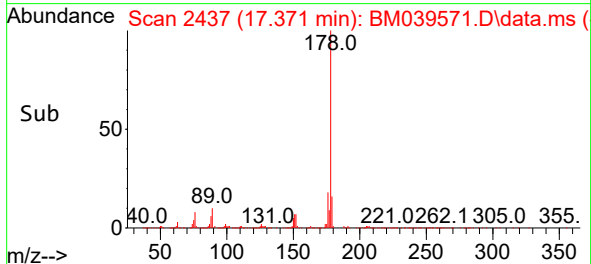
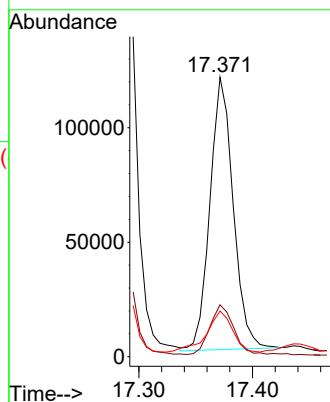
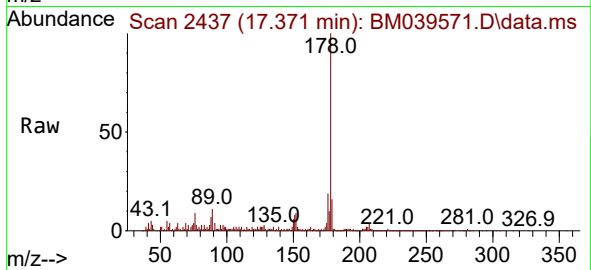
179 16.3 12.2 18.4

Manual Integrations

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#75

Fluoranthene

Concen: 16.302 ng

RT: 19.301 min Scan# 2765

Delta R.T. 0.006 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

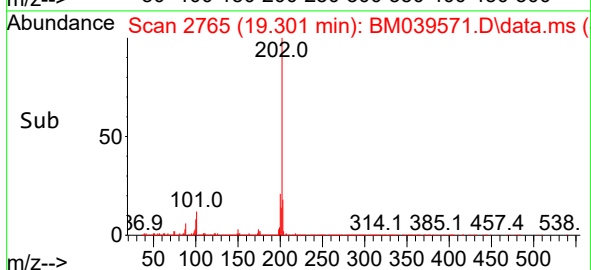
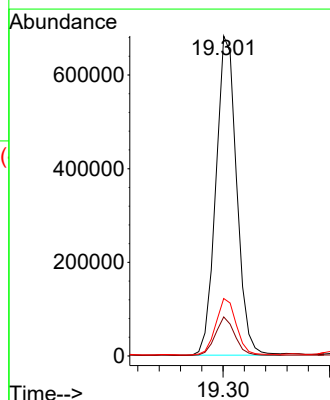
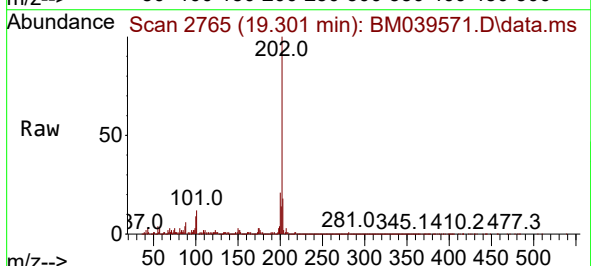
Tgt Ion:202 Resp: 919920

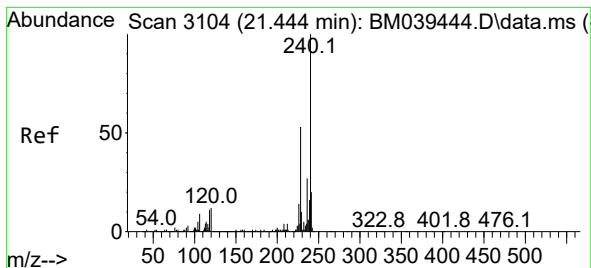
Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.1

203 18.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.430 min Scan# 3104

Delta R.T. 0.006 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

Instrument :

BNA_M

ClientSampleId :

EO-3-041923

Tgt Ion:240 Resp: 707860

Ion Ratio Lower Upper

240 100

120 12.9 9.4 14.2

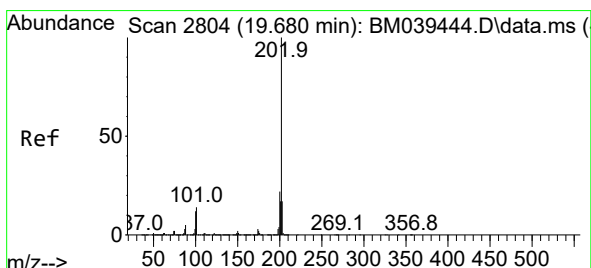
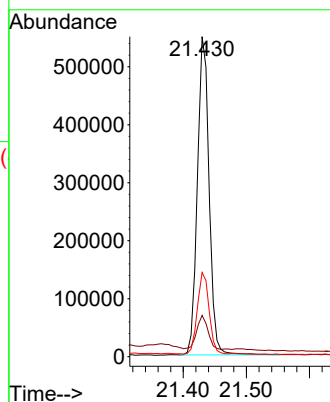
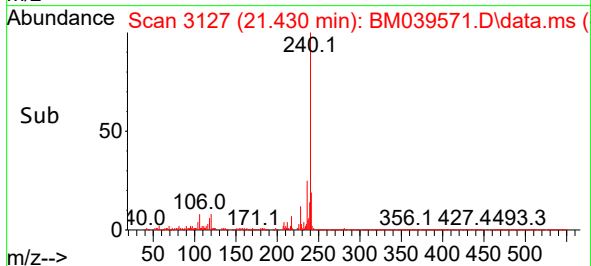
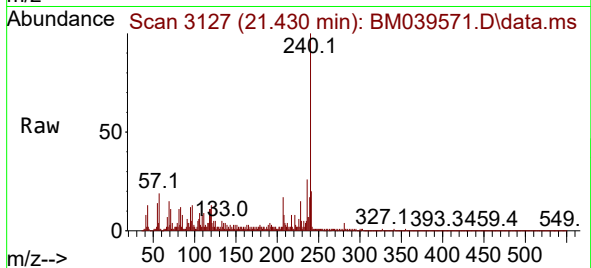
236 26.3 21.2 31.8

Manual Integrations

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Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#78

Pyrene

Concen: 15.332 ng

RT: 19.665 min Scan# 2827

Delta R.T. 0.006 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

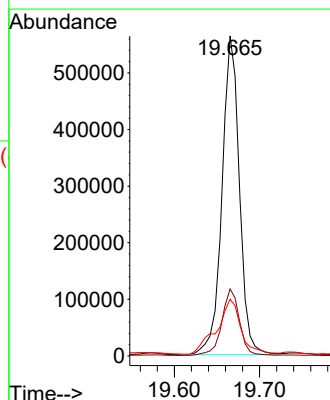
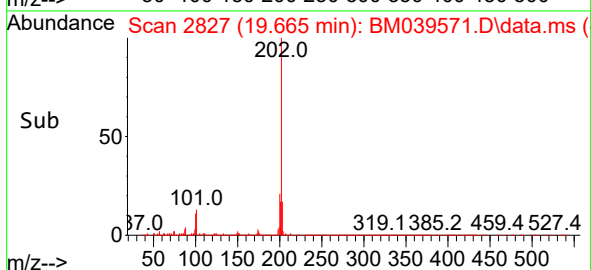
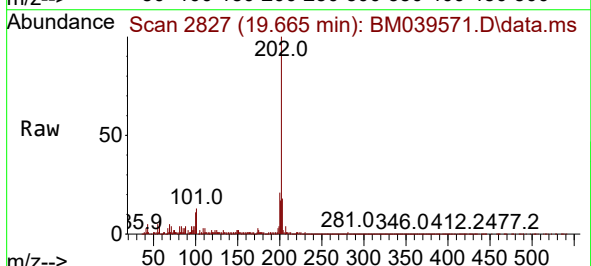
Tgt Ion:202 Resp: 798130

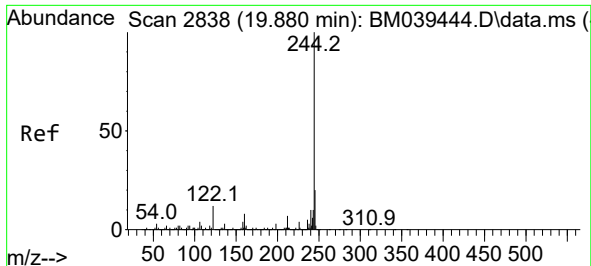
Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

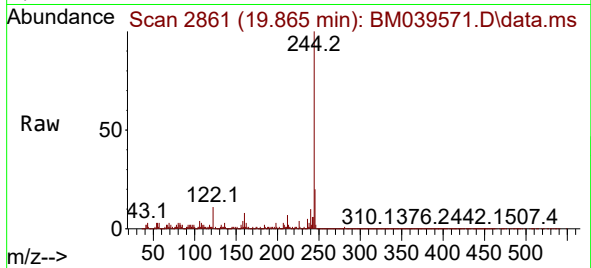
203 17.7 13.9 20.9





#79
 Terphenyl-d14
 Concen: 31.025 ng
 RT: 19.865 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM039571.D
 Acq: 22 Apr 2023 03:06

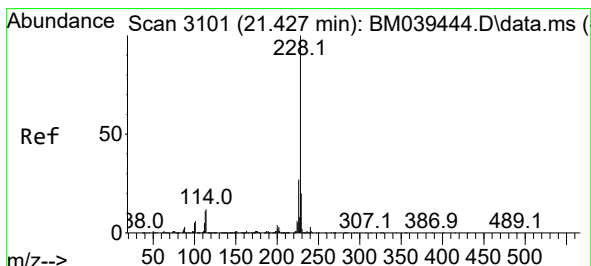
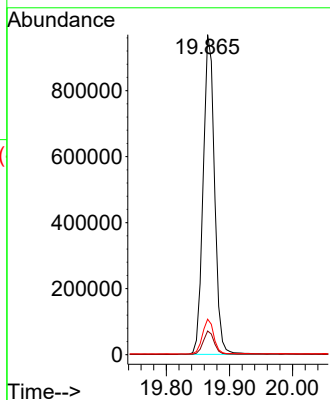
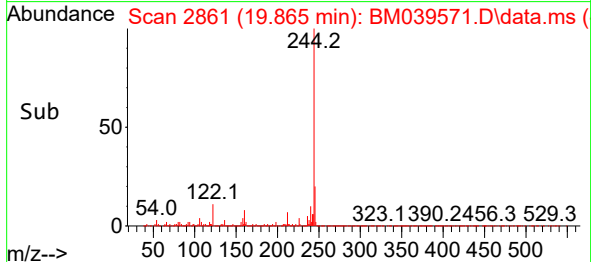
Instrument :
 BNA_M
 ClientSampleId :
 EO-3-041923



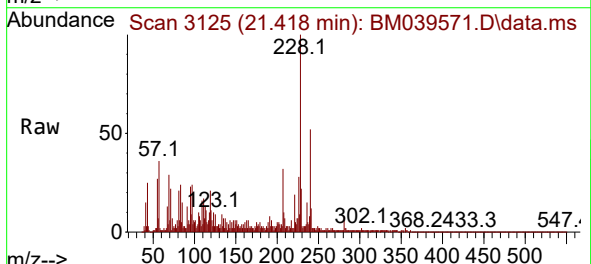
Tgt Ion:244 Resp: 121735
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 11.1 9.5 14.3

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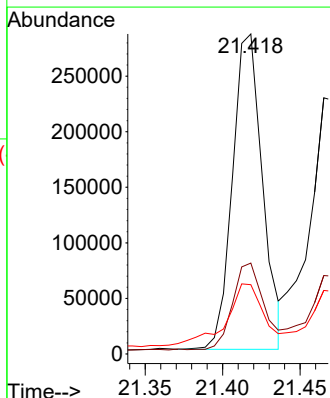
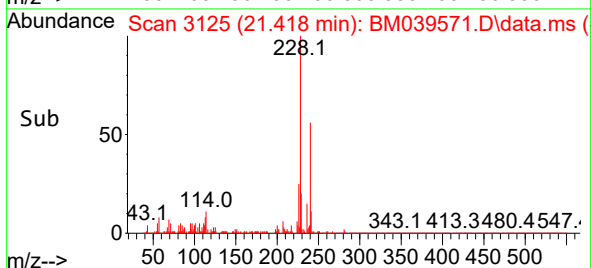
Reviewed By :Christian Giraldo 04/24/2023
 Supervised By :Jagrut Upadhyay 04/24/2023

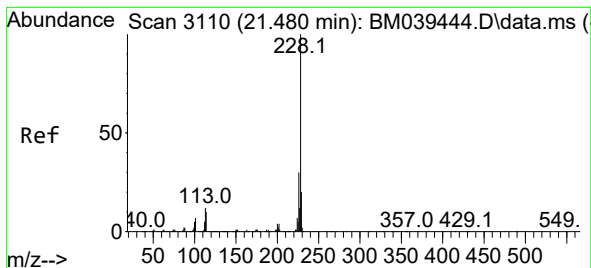


#81
 Benzo(a)anthracene
 Concen: 7.607 ng
 RT: 21.418 min Scan# 3125
 Delta R.T. 0.006 min
 Lab File: BM039571.D
 Acq: 22 Apr 2023 03:06



Tgt Ion:228 Resp: 382385
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.8 32.8
 229 21.7 15.9 23.9





#83

Chrysene

Concen: 7.303 ng m

RT: 21.465 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

Instrument :

BNA_M

ClientSampleId :

EO-3-041923

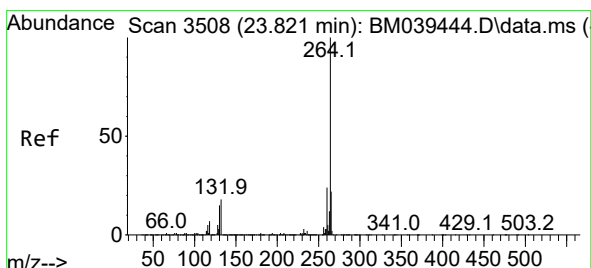
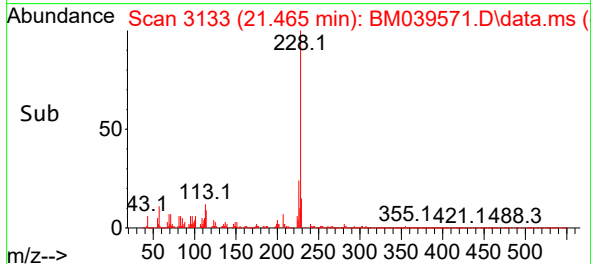
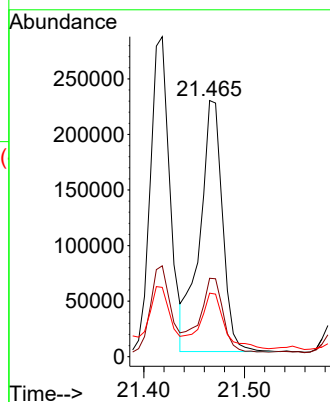
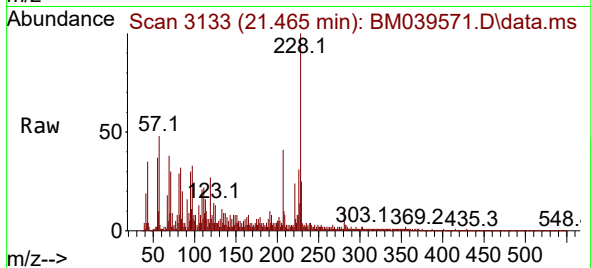
Tgt Ion:228 Resp: 35584
 Ion Ratio Lower Upper
 228 100
 226 30.6 24.0 36.0
 229 24.8 16.0 24.0

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Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#86

Perylene-d12

Concen: 20.000 ng

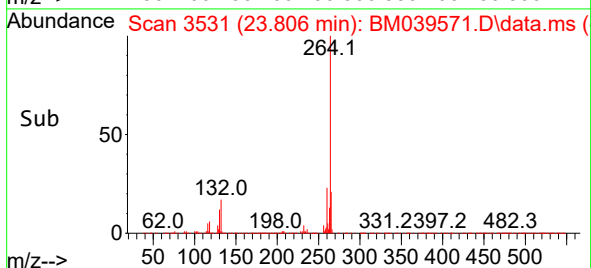
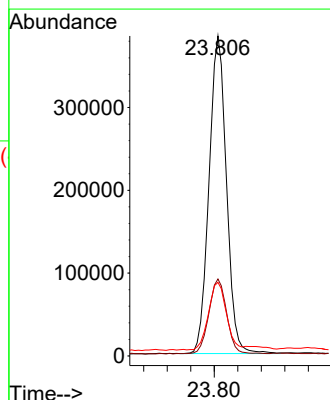
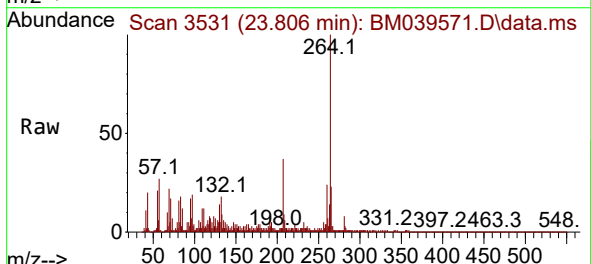
RT: 23.806 min Scan# 3531

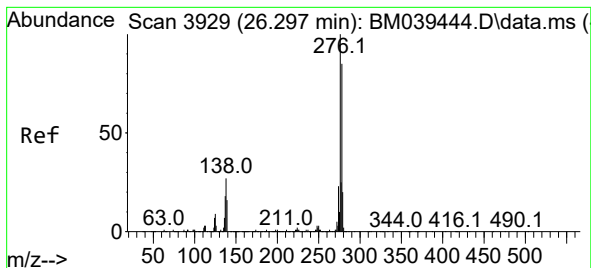
Delta R.T. 0.018 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

Tgt Ion:264 Resp: 790969
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.0 28.6
 265 23.0 18.0 27.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.210 ng

RT: 26.265 min Scan# 3408

Delta R.T. 0.030 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

Instrument :

BNA_M

ClientSampleId :

EO-3-041923

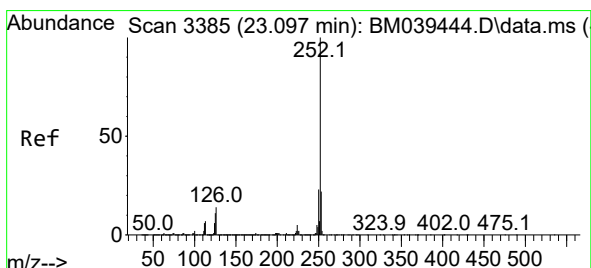
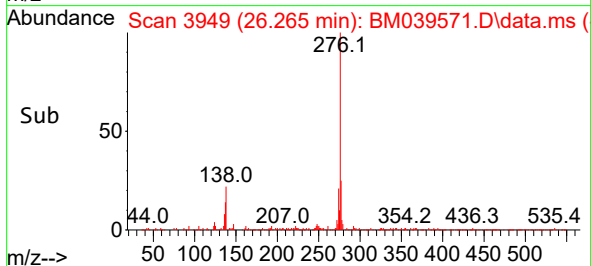
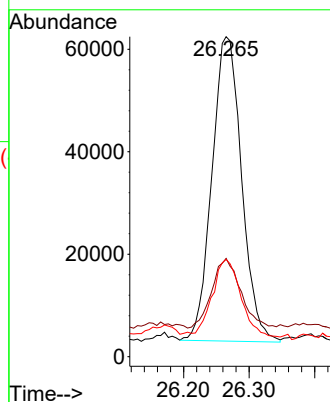
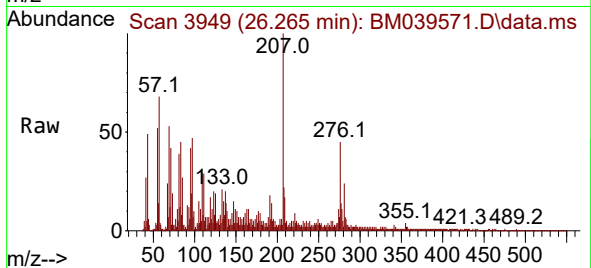
Tgt Ion:	276	Resp:	18659
Ion Ratio	Lower	Upper	
276	100		
138	22.4	21.4	32.0
277	24.8	20.0	30.0

Manual Integrations

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Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#88

Benzo(b)fluoranthene

Concen: 8.291 ng

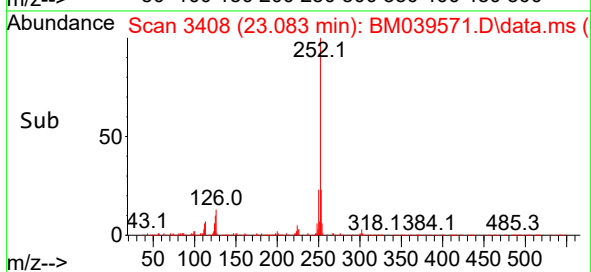
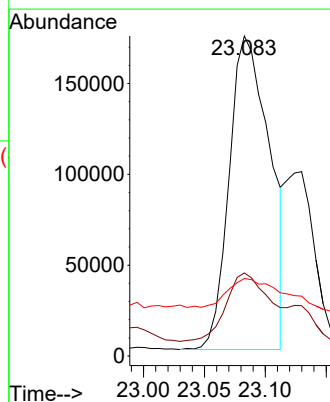
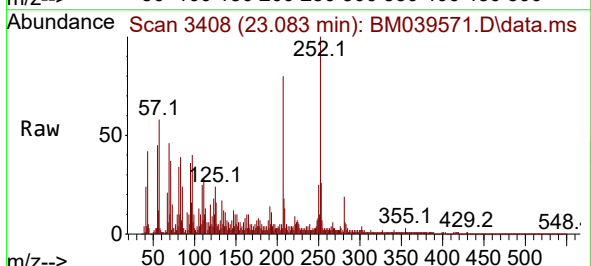
RT: 23.083 min Scan# 3408

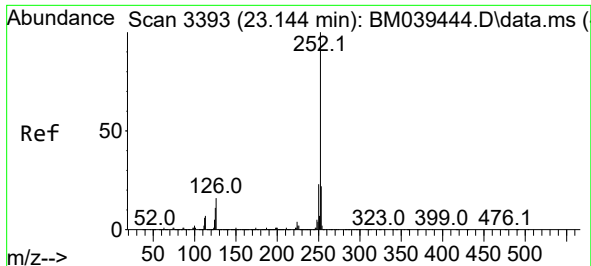
Delta R.T. 0.012 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

Tgt Ion:	252	Resp:	399851
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.8	26.6
125	24.2	8.9	13.3





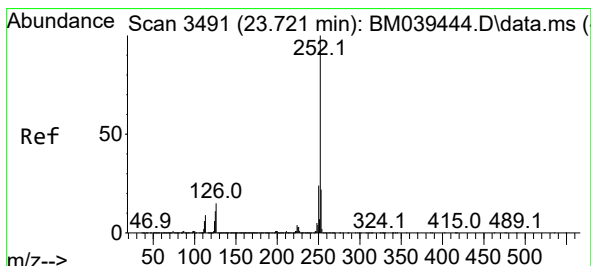
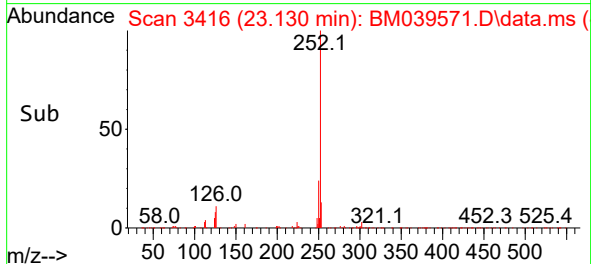
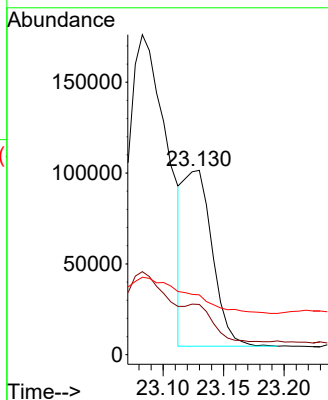
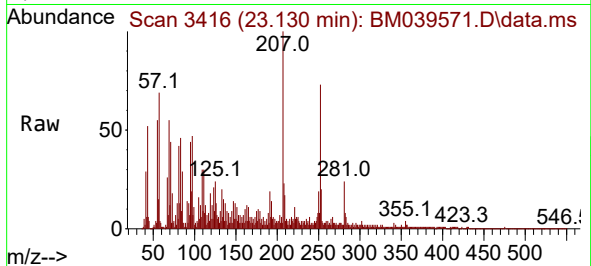
#89
Benzo(k)fluoranthene
Concen: 3.190 ng m
RT: 23.130 min Scan# 3416
Delta R.T. 0.012 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

Instrument :
BNA_M
ClientSampleId :
EO-3-041923

Tgt Ion:252 Resp: 160840
Ion Ratio Lower Upper
252 100
253 27.3 17.5 26.3
125 32.5 8.8 13.2

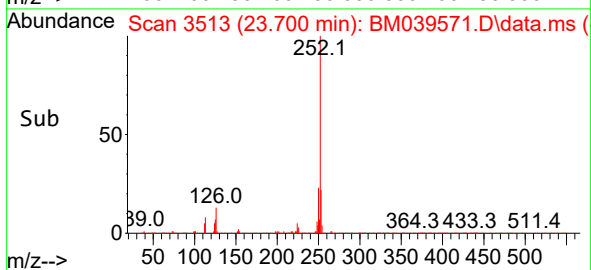
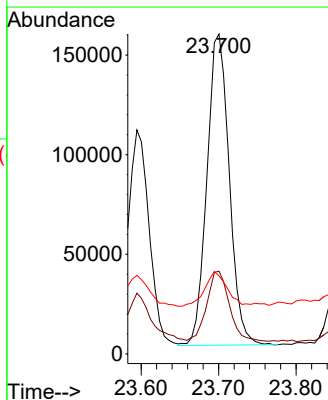
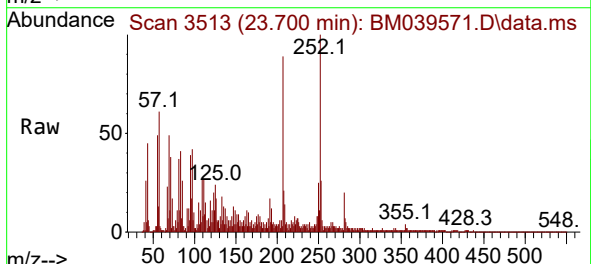
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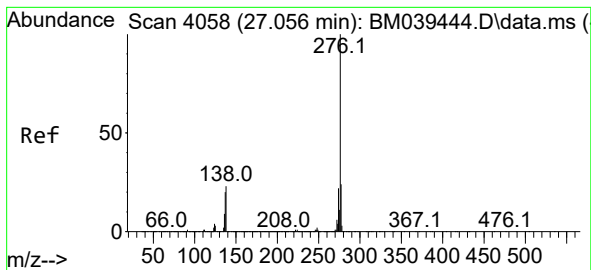
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#90
Benzo(a)pyrene
Concen: 6.518 ng
RT: 23.700 min Scan# 3513
Delta R.T. 0.018 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

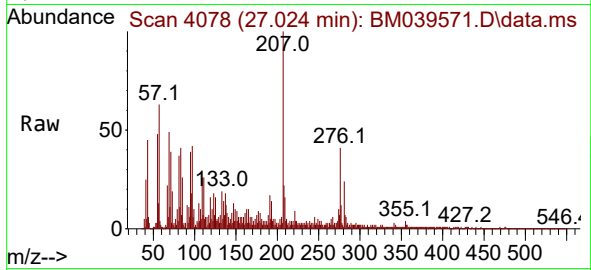
Tgt Ion:252 Resp: 312392
Ion Ratio Lower Upper
252 100
253 25.9 17.7 26.5
125 24.4 9.0 13.6





#92
Benzo(g,h,i)perylene
Concen: 3.976 ng
RT: 27.024 min Scan# 4058
Delta R.T. 0.035 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

Instrument :
BNA_M
ClientSampleId :
EO-3-041923



Tgt Ion: 276 Resp: 19039
Ion Ratio Lower Upper
276 100
277 28.0 19.1 28.7
138 29.8 18.8 28.2

Manual Integrations
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Reviewed By : Christian Giraldo 04/24/2023
Supervised By : Jagrut Upadhyay 04/24/2023

